

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 6/25/2019 4:15:36 AM
 Sample Type : Essential Oil
 Sample Name : Lemongrass - Edens Garden
 Sample ID : AI02DA
 Injection Volume : 0.10
 Instrument ID : GC-4

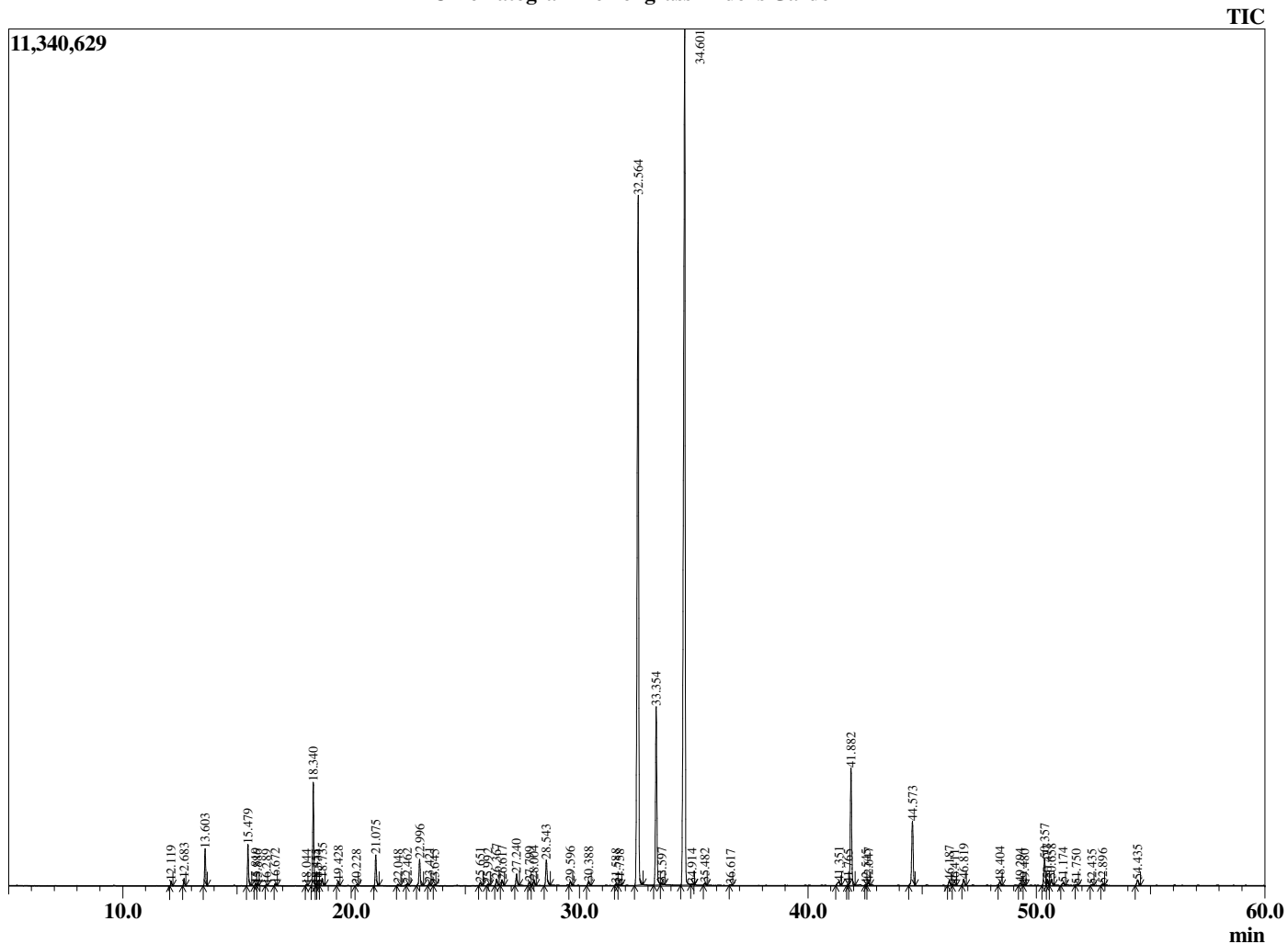


Peak Report TIC

R.Time	Name	Area%
12.119	Tricyclene	0.13
12.683	alpha-Pinene	0.20
13.603	Camphene	1.06
15.479	6-Methyl hept-5-en-2-one	1.23
15.819	Myrcene	0.06
15.886	dehydro-1,8-Cineole	0.04
16.289	trans-Dehydroxylinalool oxide	0.03
16.672	Octanal	0.07
18.044	para-Cymene	0.04
18.340	Limonene	3.29
18.455	beta-Phellandrene	0.03
18.534	1,8-cineole	0.02
18.735	cis-beta-Ocimene	0.25
19.428	trans-beta-Ocimene	0.15
20.228	gamma-Terpinene	0.03
21.075	4-Nonanone	1.05
22.048	Terpinolene	0.05
22.462	Rosefuran	0.08
22.996	Linalool	0.98
23.421	alpha-Pinene oxide	0.10
23.645	Unidentified	0.02
25.651	Epiphocitral A	0.11
25.992	exo-Isocitral	0.06
26.367	trans-Chrysanthemal	0.24
26.617	Citronellal	0.19
27.240	cis-Chrysanthenol	0.43
27.799	Isoborneol	0.14
28.004	Borneol	0.19
28.543	trans-Isocitral	1.05
29.596	alpha-Terpineol	0.14
30.388	Decanal	0.16
31.588	Nerol	0.06
31.758	Citronellol	0.04
32.564	Neral	30.66
33.354	Geraniol	6.95
33.597	Piperitone	0.10
34.601	Geranial	39.67
34.914	4-Undecanone	0.03
35.482	trans-Carvone oxide	0.08
36.617	Geranyl formate	0.03
41.351	Isoledene	0.23
41.765	alpha-Copaene	0.03
41.882	Geranyl acetate	4.58
42.545	beta-Cubebene	0.03
42.647	beta-Elemene	0.13
44.573	beta-Caryophyllene	2.77
46.187	trans-Isoeugenol	0.20
46.411	Unidentified	0.04
46.819	alpha-Humulene	0.25
48.404	Germacrene D	0.16
49.294	Unidentified	0.10
49.480	alpha-Muurolene	0.02
50.357	gamma-Cadinene	1.12
50.477	Cubebol	0.26
50.658	delta-Cadinene	0.28
51.174	trans-gamma-Bisabolene	0.13
51.750	alpha-Cadinene	0.03
52.435	Elemol	0.04
52.896	Geranyl butyrate	0.06
54.435	Caryophyllene oxide	0.27
		100.00

This report is valid for 1 year from the analyzed date.

Chromatogram Lemongrass - Edens Garden



Comments:

The analysis of this Lemongrass batch sample meets the expected chemical profile for authentic essential oil of *Cymbopogon flexuosus*. No contamination or adulteration was detected.